

THE biodesign INSTITUTE

ARIZONA STATE UNIVERSITY

We've built our program around revolutionary concepts, attracting individuals who are unafraid to seek solutions in unfamiliar landscapes.

— George Poste, Director
The Biodesign Institute

THE BIG IDEA

The world's next great innovations – and career opportunities – will stem from a purposeful fusion of biotechnology, nanoscale engineering and advanced computing.

Arizona is fast becoming a leader in this technology convergence, and the Biodesign Institute at Arizona State University is leading the way. Our 600-person team is driven by a passion to address urgent problems on a global scale.

Opened in December 2004, we've rapidly become the largest generator of federal biomedical research funding in the Metro Phoenix area and have attracted more than 190 new faculty and researchers to Arizona State University.

DESIGNED FOR COLLABORATION, BUILT FOR SPEED

The Biodesign Institute fosters large team efforts aimed at delivering real-world solutions. It has launched major research initiatives to eradicate cancer, outpace infectious disease, clean the environment, generate alternative energy and rapidly detect disease.

We offer an outstanding work environment and competitive compensation. Named R&D Magazine 2006 Laboratory of the Year, our 350,000 sq. ft. facility is master-planned for growth to 800,000 sq. ft.

PLEASE VISIT OUR WEB SITE FOR CURRENT OPPORTUNITIES.

www.biodesign.asu.edu

See the April 26, 2007 issue of Nature for two articles on the bold approach being taken at Arizona State University

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NEW!

The PhD Program in **BIOLOGICAL DESIGN** at ASU



ASU's graduate program in Biological Design will prepare students to participate in the interdisciplinary research teams of the future while simultaneously providing training in core disciplines related to biology.

CORE DISCIPLINES AVAILABLE:

- MOLECULAR BIOLOGY
- CHEMISTRY
- BIOENGINEERING
- BIOPHYSICS
- MICROBIOLOGY
- COMPUTATION

The research emphasis is on projects that are use-inspired, contributing directly to solutions for important societal challenges.

Engage in this highly mentored, personalized program of study and interact with a large, vibrant research community. Experience a new dimension of scientific exploration.

FOR INFORMATION OR TO APPLY:
www.biologicaldesign.asu.edu



ARIZONA STATE UNIVERSITY

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Postdoctoral Position in Molecular Biology of Prostaglandin Synthesis St. Joseph's Hospital, Phoenix, Arizona, USA

We are looking a Postdoctoral Fellow/ Research Associate to study lipid mediators of fever and hypothermia in systemic inflammation in rats and mice (see PLoS Biol 4: e284, 2006). Highly motivated individuals with an enthusiastic interest in our research program are invited to apply. Background in molecular biology or immunohistochemistry/neuroanatomy is required. Working knowledge of the prostaglandin synthesis pathways is preferred, but the ability to think and work independently, dedication to work, and persistence in the face of failure are more important than the area of specialization. Mandatory requirements include an advanced degree, a track record of peer-reviewed publications, excellent computer skills, and good writing skills. To apply, send your curriculum vitae, reprints of full-length papers, a brief description of research interests and career goals, and names, e-mail addresses, and telephone numbers of at least two references to:

Andrej A. Romanovsky, M.D., Ph.D.,
 Director, Systemic Inflammation Laboratory, St. Joseph's Hospital, 350 W. Thomas Road, Phoenix, Arizona 85013, USA; aromano@chw.edu

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THE UNIVERSITY OF ARIZONA.

Project Opportunities at Biosphere 2

Call for Proposals

Input from the international scientific community is being solicited to develop the programmatic thrust of the new B2 Institute at Biosphere 2. With this announcement, the B2 Institute Steering Committee is calling for program proposals in areas of scientific "Grand Challenges" where interdisciplinary activities, broadly defined, can result in significant progress or indicate new directions for progress on the major scientific questions of our day.

Proposals can be for programs and/or workshops which last from a few days to several months. Programs will be selected on the basis of their intellectual significance, timeliness, and opportunities for progress. The broader societal impact of the activity will be an important factor in selection.

There is no deadline for submission of proposals. Proposals will be considered by the B2 Institute Steering Committee and its International Advisory Board immediately following submission. Pre-proposal submissions consist of a working title, suggestions for program organizers and participants, and a brief description of the program and how it supports the mission of the Institute.

The B2 Institute organizes and hosts programs directed at the intensive study of scientific Grand Challenges in the natural sciences and related interdisciplinary areas. Building upon The University of Arizona's reputation as a trailblazer in interdisciplinary research, the B2 Institute serves as a center for research, outreach, teaching and life-long learning about Earth, its living systems, and its place in the universe. The goal of the B2 institute is to create extended programs and shorter, broadly attended conferences, as well as summer and winter schools for graduate students and postdoctoral fellows.

The B2 Institute also carries out significant outreach activities, including public lectures and teacher education days, and builds bridges via artist- and journalist-in-residence programs, art exhibits, and performing arts events.

Contact Pierre Meystre, B2 Institute Director at (520) 621-4651 or meystre@bzscience.org for additional information.

Visit B2institute.org and click on the Call for Proposals promo.



B2 Institute

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